BIOGRAPHICAL SKETCH

NAME: Claude Emond **POSITION TITLE:** Postdoctoral Fellow

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
University du Québec à Montréal	B.S.	1987	Biochemistry
University of Montreal	M.S.	1996	Toxicology
University of Montreal	Ph.D.	2001	Toxicology

PROFESSIONAL EXPERIENCE:
1986 - 2001: Toxicologist, Maisonneuve-Rosemont Hospital Montreal, Quebec Canada
2001 - Present: Postdoctoral Fellow, PKB/NHEERL/ORD/ USEPA

PROFESSIONAL SOCIETIES:
Society of Toxicology
Society of Toxicology of Canada
Canadian Federation of biological society
Society for risk analysis

SELECTED AWARDS AND HONORS: (From 1998 to present)
Travel Grant Award from American College of Toxicology (2000)
Best Poster at CIRTOX in (2000)
Best Student Abstract of SOT Risk Assessment Specialty section (2001)
Best Student Abstract of SOT Biological Modeling Specialty section (2002)
NRC grant for Postdoctoral fellowship 2002
NRC grant for Postdoctoral fellowship 2003

INVITED LECTURES/SYMPOSIA: **(Since 1999)**
Emond C., Krishnan K, Metabolic Interaction Between 17b-estradiol and xenobiotics, University of Guelph (June 27-28, 1999, Guelph, Canada
Emond C.,. Krishnan K., Physiologically Modeling of estradiol-Xenobiotic Interactions for Risk Assessment Of Endocrine-Active Chemical CNTC Annual Research Symposium March 27-28, 2000 Hull, Québec,Canada.
Emond C , Physiologically based pharmacokinetic models for highly lipophilic compounds. .Modeling discussion group June 10, 2002, NHEERL, US EPA, RTP, NC, USA
Emond C., DeVito M.J. Birnbaum L.S, Physiologically based pharmacokinetic modeling as a tool for predicting dose response relationships for TCDD during development, Dioxin 2002, 22th International Symposium on Halogenated Environmental Organic Pollutants and POPS, (11-16 Août), Barcelona, Spain
Emond C, Utilization of PBPK model for pharmacokinetic prediction of persistent organic chemicals during development: Dioxin used as an example Work in progress Experimental Toxicology Division , April 15

POSTER PRESENTATION (Since 1999):
Emond C., Krishnan K., An Integrated Physiological Pharmacokinetic Model for Highly Lipophilic Organohalogen Substances. Toxicologist vol. 48 no. 1s: 656.
Emond C., Charbonneau,M. Krishnan K., Modulation of Estradiol Metabolism and Cell Proliferation risk CNTC Annual Research Symposium March 29-30 , Hull Quebec,.
Emond C., Suzuki, C., Armstrong V., Chan L., Krishnan K., Estimation de la concentration dans l'organe cible à partir de la concentration sanguine mesurée lors d'une exposition chroni que à des contaminants organiques Colloque annuel Chapitre St-Laurent SRA-SETAC (May 27-28), Montréal Québec, Canada.
Emond C., Krishnan K., Evaluation of the Metabolic Interaction Between 17b-estradiol and Organochlorine Substances in vitro, 20th annual Meeting of the American College of Toxicology (November 7-10)
Emond C., Suzuki, C., Armstrong V., Chan L., Krishnan K., Détermination du Coefficientd'extraction de pesticides d'organochlorés chez le rat_ 32th Annual symposium of the Society of Toxicology of Canada Montreal, Quebec Canada . (December 2 – 3)
Emond C., Krishnan K., PBPK Modeling of Estradiol Concentrations During Estrous Cycle and Its Relationship to

Uterotrophic Effects in Rats Toxicologist vol.. 49 no.1S : 656.
Emond C.,. Krishnan K., Physiologically Modeling of the Kinetics of Exogenous and Endogenous Estradiol in Female Rats CNTC Annual Research Symposium (27-28 mars), Hull, Québec, Canada Poster
Emond C., Krishnan K., Physiological Modeling of Estradiol-Xenobiotic Interactions for Risk Assessment of Endocrine-Active Chemicals. Colloque annuel de CIRTOX (19 mai) Montreal
Emond C., Krishnan K., Evaluation of Pharmacokinetic interaction between 17 -estradiol and 2,3,7,8 tetrachlorodibenzo-p-dioxin (TCDD) in Female Sprague-Dawley rats. 21th annual Meeting of the American College of Toxicology November (November 12-15) San Diego)
Emond C., Krishnan K., Evaluation of Pharmacokinetic interaction between 17 -estradiol and 2,3,7,8 tetrachlorodibenzo-p-dioxin (TCDD) in Female Sprague-Dawley rats. 33th Annual symposium of the Society of Toxicology of Canada Montréal, Québec Canada . (December 7 – 8)
Emond C., Charbonneau M. Krishnan K., Prédiction de la Pharmacocinétique (PK) à partir de la structure moléculaire(SM) de biphényls polychlorés(BPC) chez le rat.II^{ième} congrès des stagiaires de recherche en santé de la faculté de médecine et des centres hospitaliers de l'Université de Montréal.(January 27), Montreal
Emond C.,Chan L., Krishnan K., Health risk assessment of organochlorine pesticides using biomarker data 40th Annual Meeting of society of Toxicology San Francisco, Toxicologist vol.. 60 no.1 (March)
Emond C., Krishnan K., Molecular structured-based prediction of the pharmacokinetic (PK) of PCBs in female Sprague-Dawley rats. 40th Annual Meeting of society of Toxicology San Francisco, Toxicologist, vol.. 60 no.1 (March)
Emond C., Krishnan K., Modèle Pharmacocinétiquer à base Physiologique (PBPK) pour les composés hautement lipophiles., 69^{ième} congrès de l'ACFAS , Université de Sherbrooke, Sherbrooke, (May 14 to May 17)
Emond C., Krishnan K., Evaluation of Pharmacokinetic interaction between 17β-estradiol and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in Female Sprague-Dawley rats. CIRTOX Colloque annuel Montreal, Quebec Canada . (31 may)
Emond C., Suzuki, C., Armstrong V., Chan L., Krishnan K., Utilisation de biomarqueurs pour l'évaluation du risque à la santé pour des pesticides organochlorés 5^{ième} Colloque annuel Chapitre St-Laurent SETAC-SRA june 14-15 , Montreal Quebec, Canada
Emond C., Krishnan K., A physiological pharmacokinetic model based on tissue lipid content for simulating inhalation pharmacokinetics of highly lipophilic volatile organic chemicals. 41th Annual Meeting of society of Toxicology Nashville, Tennessee Toxicological science, vol.,66, no.1S (March)
Barton H.A., DeVitoM.J, Harris L. Setzer W., Birnbaum L.S., Emond C., Pharmacokinetics and modeling for interspecies extrapolation in evaluating children risks, EPA science forum 2002: Meeting the challenges,(1-2 mai), Washington, DC USA
DeVito M.J., Diliberto J.J., Ross D.G., Emond C., Richardson V.M., Birnbaum, L.S. Influence of type II Diabetes and obesity on the disposition and elimination of TCDD in mice, 42th Annual Meeting of society of Toxicology Salt Lake City , Utah (9-13mars)
Emond C., Devito M.J., Birnbaum L.S., Utilization of a PBPK to predict the distribution of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) in humans during critical windows of development, 42th Annual Meeting of society of Toxicology Salt Lake City , Utah, (9-13 mars)

PUBLICATION PUBLISHED OR IN PREPARATION (Since 1998)

1. Ouellette D, Beauchamp G., Emond C., Lung Cancer in Women Compared with Men : Stage, Treatment and Survival, Annual Thoracic Surgeons, vol 66 (4) : 1140-1143. (1998)
2. Emond C, Krishnan K., A physiological pharmacokinetic model based on tissue lipid content for simulating inhalation pharmacokinetics of highly lipophilic volatile organic chemical, Toxicology letters (in preparation)
3. Nguyen D., Emond C., Leclerc Y.E., Sherman I., Dubé P. Pharmacokinetics studies and toxicity profile of raltitrexed used by intraperitoneal route in normothermia in a pig model Medical Science Monitor vol9 (1): BR37-BR42 (2003)
4. Emond C., Devito M.J., Birnbaum L., Physiologically based pharmacokinetic model (PBPK) a predictable tools for TCDD exposure during developmental exposures. (in clearance)
5. Emond C., Chan H.M., Iverson F., Suzuki C., Krishnan K., Development of biomarker concentrations for several organochlorine contaminants typically found in Inuit diet using physiologically-based pharmacokinetic models (in preparation)